

02094659 SOUTH BUFFALO CREEK NEAR POMONA, NC

LOCATION.--Lat 36°02'58", long 79°51'19", Guilford County, Hydrologic Unit 03030002, on right bank 300 ft upstream of culvert under Merritt Road, 0.7 mi south of post office at Pomona, and 1.0 mi below South Railway trestle.

DRAINAGE AREA.--7.33 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to current year.

REVISED RECORDS.--WDR NC-03-1B: 1999-03 (M)

GAGE.--Water-stage recorder. Datum of gage is 771.84 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Maximum discharge for period of record from rating curve extended above 500 ft³/s on basis of culvert computation of peak flow. Minimum discharge for period of record occurred several days in 2002.

REVISIONS.--The maximum peak stge for the period of record has been revised to 15.45 feet, superseding the figure published in WDR NC-03-1B.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.8	2.5	2.2	2.7	4.5	14	3.7	1.6	3.1	0.94	0.72
2	2.3	1.8	2.3	2.1	2.3	6.1	3.5	21	1.3	1.8	3.2	0.73
3	2.3	1.8	2.2	2.1	78	4.3	2.9	12	1.4	4.4	6.2	0.68
4	2.6	2.1	7.4	2.2	5.6	3.8	2.7	3.3	57	13	0.91	0.67
5	2.7	2.1	11	5.8	3.8	3.4	2.5	2.4	3.9	5.0	0.82	0.65
6	2.7	23	3.7	3.1	64	21	2.5	2.2	2.3	1.9	0.85	5.6
7	2.8	5.8	2.8	2.3	14	4.1	2.4	2.0	1.8	1.6	0.75	12
8	2.9	1.8	2.5	2.2	4.5	3.4	2.5	2.0	2.4	3.7	0.70	740
9	39	1.5	2.5	4.9	3.7	3.5	2.4	1.9	2.4	2.5	0.69	11
10	8.0	1.4	89	2.8	3.3	4.3	2.3	2.3	1.5	108	0.68	3.6
11	23	1.6	11	2.4	3.0	3.4	2.5	1.8	2.3	8.9	0.66	2.6
12	2.9	1.5	3.8	2.3	12	3.1	88	2.4	1.3	2.8	3.0	2.3
13	2.3	1.5	4.8	2.3	4.4	2.8	106	7.5	1.5	2.5	4.1	2.2
14	3.2	1.4	113	2.2	3.2	2.7	13	2.6	2.0	4.3	54	2.2
15	5.3	1.5	9.6	2.3	13	5.0	4.9	2.1	1.6	1.7	7.4	2.2
16	1.9	1.5	5.0	2.2	14	24	3.8	24	3.3	1.4	1.8	2.2
17	1.8	1.7	34	2.1	5.1	5.6	3.3	3.0	2.2	281	1.0	143
18	1.9	1.6	4.9	5.7	4.6	7.5	3.0	2.9	1.3	306	1.2	19
19	2.0	59	3.6	2.5	3.8	4.0	2.8	6.4	14	4.7	0.89	3.7
20	1.9	6.0	3.1	2.2	3.4	3.4	2.8	4.2	3.1	2.4	0.78	2.6
21	2.0	3.7	2.7	2.1	3.3	3.2	2.7	2.0	1.5	2.1	0.75	2.5
22	1.9	3.1	2.5	2.1	2.9	2.9	2.6	34	3.0	3.7	0.76	2.4
23	2.1	2.8	2.4	2.1	2.6	2.8	2.4	15	1.9	5.8	0.77	2.3
24	2.0	3.1	2.8	2.0	2.7	2.8	2.3	5.2	1.8	1.7	0.78	2.3
25	1.9	4.4	2.4	2.1	2.7	2.9	2.4	2.2	1.9	1.4	0.74	2.4
26	8.2	3.1	2.3	2.3	3.4	2.9	12	2.1	48	1.5	0.71	2.4
27	17	3.3	2.1	2.5	18	3.0	3.6	3.3	8.3	32	0.72	143
28	16	16	2.1	8.2	14	3.0	2.5	1.7	4.4	69	0.68	478
29	42	5.9	2.1	7.3	6.6	2.9	2.3	1.4	2.6	9.8	0.68	7.9
30	3.0	3.1	3.4	6.9	---	3.4	2.2	9.5	6.2	2.8	11	3.5
31	2.0	---	2.4	3.6	---	13	---	2.0	---	1.2	1.1	---
TOTAL	212.0	168.9	345.9	97.1	304.6	162.7	302.8	188.1	187.8	891.7	109.26	1,604.35
MEAN	6.84	5.63	11.2	3.13	10.5	5.25	10.1	6.07	6.26	28.8	3.52	53.5
MAX	42	59	113	8.2	78	24	106	34	57	306	54	740
MIN	1.8	1.4	2.1	2.0	2.3	2.7	2.2	1.4	1.3	1.2	0.66	0.65
CFSM	0.93	0.77	1.52	0.43	1.43	0.72	1.38	0.83	0.85	3.92	0.48	7.30
IN.	1.08	0.86	1.76	0.49	1.55	0.83	1.54	0.95	0.95	4.53	0.55	8.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.3	6.97	10.1	9.88	11.7	17.1	16.5	11.2	10.1	12.7	10.0	32.1
MAX	28.3	20.0	24.2	17.5	21.4	41.0	46.8	32.8	26.9	28.8	19.1	53.5
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)
MIN	1.90	1.09	2.56	3.13	4.18	5.25	2.12	3.69	2.34	5.27	3.52	9.46
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	8,589.1		4,575.21			
ANNUAL MEAN	23.5		12.5		13.5	
HIGHEST ANNUAL MEAN					27.6	2003
LOWEST ANNUAL MEAN					6.22	2002
HIGHEST DAILY MEAN	676	Mar 20	740	Sep 8	740	Sep 8, 2004
LOWEST DAILY MEAN	1.4	Nov 10	0.65	Sep 5	0.11	Jun 22, 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Nov 9	0.73	Aug 23	0.13	Aug 7, 2002
MAXIMUM PEAK FLOW			3,170	Jul 18	3350*	Sep 23, 2003
MAXIMUM PEAK STAGE			14.61	Jul 18	15.45	Sep 23, 2003
INSTANTANEOUS LOW FLOW			0.59*	Aug 7	0.10*	Jun 22, 2002
ANNUAL RUNOFF (CFSM)	3.21		1.71		1.85	
ANNUAL RUNOFF (INCHES)	43.59		23.22		25.10	
10 PERCENT EXCEEDS	43		14		27	
50 PERCENT EXCEEDS	4.8		2.8		2.6	
90 PERCENT EXCEEDS	2.1		1.4		0.72	

* See REMARKS.

